

## ABSTRACT

A bioassay plate is provided with two pairs of opposing electrodes in a reaction region, and by imposing a predetermined electric field on the reaction region, the bioassay plate makes it possible to perform high-order structural adjustment, migration, immobilization and the like of a substance as desired. A first substrate (11) is provided with a detection well (X), which is in turn equipped at least with a reaction region (R) for providing a place of interaction between the substances and also with a first electrode ( $E_{11}$ ) arranged facing the reaction region (R). A second substrate (12) is provided at least with a second electrode ( $E_{12}$ ) which can impose an electric field on the reaction region (R) in association with the first electrode ( $E_{11}$ ). The present invention provides a bioassay plate (1) formed of these two substrates (11), (12) stacked together such that the first electrode ( $E_{11}$ ) and the second electrode ( $E_{12}$ ) are located opposite to each other, and also a production method of the plate (1).